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3-2-2011

## Office of Research, Awards & Recognition, March 02, 2011

University of Tennessee Office of Research

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## AWARDS AND RECOGNITIONS

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MARCH 2, 2011

### AWARDS FOR JANUARY 26–FEBRUARY 23, 2011

INVESTIGATOR	TITLE	SPONSOR	AWARD
COLLEGE OF ARTS & SCIENCES			
Barnes, Craig; Bozell, Joseph; Buchan, Alison	ARRA: Chemical Catalysis for the conversion of Renewable Feedstocks	University of Tennessee - Institute of Agriculture	\$101,035
Bohon, Stephanie	A Proposal to Host the Secretary-Treasurer of the Southern Sociological Society	Southern Sociological Society	\$20,318
Bohon, Stephanie	A Proposal to Host the Secretary-Treasurer of the Southern Sociological Society	Southern Sociological Society	\$22,802
Buchan, Alison; Barnes, Craig; Bozell, Joseph	ARRA: Chemical Catalysis for the conversion of Renewable Feedstocks	University of Tennessee - Institute of Agriculture	\$57,424
Cooper, Matthew	Neural Mechanisms Underlying Stress-Induced Changes in Behavior	DHHS - Department of Health and Human Services	\$128,577
DeCorse, Elizabeth	Phase III Data Recovery at Sites 40CE2 and 40CP21, Claiborne and Campbell County	Tennessee Valley Authority	\$99,889
DeCorse, Elizabeth	Phase II Archaeological Evaluation of 40UN134, Union County, Tennessee	Fields Investments, LLC	\$17,684
Dean, David; Nazarewicz, Pawel; Nazarewicz, Witold	RIKEN/RIA Theory Center	DOE - US Dept. of Energy	\$50,000
Dolislager, Fredrick; Gross, Louis	ETTP Zone 1 ROD Amendment Support for FY 2010 WR60 Revision 000	DOE - Bechtel Jacobs Company, LLC	\$14,646
Freeland, Patricia	Research Support for the ORNL County and Regional Resilience Institute (CARRI)	DOE - UT-Battelle - ORNL	\$3,552
Freeland, Patricia	Research Support for the ORNL County and Regional Resilience Institute (CARRI)	DOE - UT-Battelle - ORNL	\$26,460
Frey, Richard; Hood, Thomas	Host the Society for the Study of Social Problems	Society for the Study of Social Problems	\$144,081
Jones, Robert	Effects of Technological Disasters on Dimensions of Social Capital	University of Tennessee - Institute of Agriculture	\$20,110
Kabalka, George	Synthesis of UV Active Blood Flow Agents	DOE - UT-Battelle - ORNL	\$32,832
Kabalka, George	Neutron Imaging for the Determination of Tumor Margins	DOE - UT-Battelle - ORNL	\$24,750
Labotka, Theodore	Olivine-Fluid Interactions and Crystal Growth of Olivine	DOE - UT-Battelle - ORNL	\$12,572
Loeffler, Frank	MURMoT: Design and Application of Microbial Uranium Reduction Monitoring Tools	DOE - US Dept. of Energy	\$222,050
Matheny, Patrick	REVSYS: Revision of Australian Inocybaceae: Studies in Systematics & Evolution of Ectomycorrhizal Agaricales from the Southern Hemisphere	NSF - National Science Foundation	\$7,500
Mays, Jimmy; Durairaj, Baskaran	Synthesis of Novel Hydrocarbon Soluble Multifunctional Anionic Initiators	DOD - Department of Defense	\$110,000
McSween, Harry	THEMIS Science Team Member for Mars Odyssey Spacecraft	Arizona State University	\$25,000
Nazarewicz, Witold; Papenbrock, Thomas	Theoretical Nuclear Structure	DOE - US Dept. of Energy	\$255,000
O'Neill, Hugh	Investigation of Photosynthetic Membranes Using Small-Angle Neutron Scattering	DOE - UT-Battelle - ORNL	\$10,614
Peterson, Cynthia	UTK-SCALE-IT-Brian Erickson	DOE - UT-Battelle - ORNL	\$6,789
Sanders, Nathan	Impacts of Elevated Temperature on Ant Species, Communities, and Ecological	North Carolina State University	\$37,790
Sokolov, Alexei	Dynamics of Proteins and Hydration Water: Neutron Scattering Studies	DOE - UT-Battelle - ORNL	\$30,000
Spanier, Stefan	Data Quality Monitoring for CMS Pixel	DOE - Fermi National Accelerator Laboratory	\$8,000
Taylor, Lawrence	Tennessee Space Grant Consortium Activities at Univ. of Tennessee	Vanderbilt University	\$84,550
Vogt, Frank	Bayesian Information Fusion for Robust Classification and Quantification	National Science Foundation	\$285,669
Vonarnim, Albrecht; Hettich, Robert	GRA Research	DOE - UT-Battelle - ORNL	\$14,702
Weitering, Hanno	Ultrathin Oxide Growth and Characterization	DOE - UT-Battelle - ORNL	\$26,603
Weitering, Hanno	Experimental Studies of Organic Spintronics	DOE - UT-Battelle - ORNL	\$26,788
Zhu, Wenguang	Theoretical Studies of Optical Properties of Novel Nano-materials	DOE - UT-Battelle - ORNL	\$16,667
Zhu, Wenguang	Theory and simulations of nanoscale materials	DOE - UT-Battelle - ORNL	\$35,305
Zhu, Wenguang	Development of Nanostructured Energy Materials	DOE - UT-Battelle - ORNL	\$50,329
COLLEGE OF BUSINESS ADMINISTRATION			
Bruce, Donald	UKCPR Research Partnership on Disconnected Populations	University of Kentucky	\$79,000
Cathey, Amy	MBA Graduate Student Support for Y-12 Fall 2009	DOE - BWXT Y-12, LLC-ORNL	\$150,000
COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES			
Erwin, Paul; Hamilton, Charles	Public Health Training Center	DHHS - Health Resources and Services Administration	\$25,000
Hallam, Rena	Signal Centers-CCRR-Hallam	Signal Centers, Inc	\$1,005,142

AWARDS FOR JANUARY 26–FEBRUARY 23, 2011 (CONT.)			
White, Connie	W. Va. Parent Connections, a Parental Information and Resource Center	Edvantia	\$19,720
Zemel, Michael	Effects of Polyphenolic Nutraceutical Compounds on Mitochondrial Biogenesis and Function	Shaklee Corporation	\$26,250
COLLEGE OF ENGINEERING			
Benson, Roberto	Effect of Processing Parameters on the Barrier Properties of Polyolefin	DOE - BWXT Y-12, LLC-ORNL	\$50,001
Daniel, Claus	Materials and Processing for Lithium Ion Batteries	DOE - UT-Battelle - ORNL	\$22,500
Fathy, Aly	Emerging Technologies	National Science Foundation	\$8,448
Hall, Howard	Technical Support for Neutron Coded-Aperture Imager Development	DOE - UT-Battelle - ORNL	\$3,906
Hayward, Jason	Radiation Detection Research and Development	DOE - UT-Battelle - ORNL	\$10,000
Hayward, Jason	Graduate Student Work in Nuclear Safeguards Calculations and Measurements	DOE - UT-Battelle - ORNL	\$8,534
Huang, Jian	Visual Analysis of Energy Plus Simulation Data	DOE - UT-Battelle - ORNL	\$50,823
Lee, Ida	SSPM Investigation for Post-Detonation Behavior of Radiological Debris	DOE - UT-Battelle - ORNL	\$10,000
Liao, Haitao	Wind Energy and Sustainable Energy Solutions	Wichita State University	\$100,000
Liu, Yilu	GIL Fellowship	DOE - UT-Battelle - ORNL	\$135,452
Maldonado, Guillermo	High Fidelity Neutronic and Depletion Simulations for the High Flux	DOE - UT-Battelle - ORNL	\$52,000
Maldonado, Guillermo	High Fidelity Modeling and Optimization of Heavy Element Production	DOE - UT-Battelle - ORNL	\$140,000
McHargue, Carl; Kulkarni, Nagraj	High Throughput Isotopic Diffusion Databases for Integrated Computational Materials Engineering	DOE - UT-Battelle - ORNL	\$2,259
McHargue, Carl; Meisner, Roberta	Materials Characterization	NIH - National Institute for Occupational Safety and Health	\$21,665
Mench, Matthew	Great Lakes Fuel Cell Education Partnership	Stark State University	\$49,000
Parker, Lynne	Analysis Tools for Sensor-Based Energy Modeling	DOE - UT-Battelle - ORNL	\$49,944
Pharr, George	Mechanical Properties of Thin Film Electrode Materials	DOE - UT-Battelle - ORNL	\$24,500
Pharr, George	Mechanical Testing Experiments on the VULCAN Diffractometer	DOE - UT-Battelle - ORNL	\$25,000
Rack, Philip	Sputtering Thin Film Zirconium Layers	DOE - BWXT Y-12, LLC-ORNL	\$29,000
Ray, William	Passive Phasing Analysis	Corcoran Engineering Inc.	\$44,599
Sawhney, Rapinder	Task II: Development of a Simulation Conversion Methodology and Proof of Concept	University of Tennessee - Institute of Public Service	\$105,993
Tolbert, Leon	Basic Circuit Cells to Reduce Stray Inductance in Power Electronics Packages	DOE - UT-Battelle - ORNL	\$32,023
Wang, Xiaorui	CAREER: Coordinated Power and Thermal Management for Virtualized Data Centers	National Science Foundation	\$83,744
COLLEGE OF SOCIAL WORK			
Campbell, Paul; Daugherty, Linda	Knox County Health Department FY11	Knox County	\$58,880
Glisson, Charles	Improving Family-to-Family Services in Children's Mental Health	Research Foundation for Mental Hygiene	\$70,584
CAMPUS CENTERS & INSTITUTES			
Davenport, Joel W.	F109 Spider Modification Support	Aerospace Testing Alliance	\$5,000
Macek, Joseph	Theory of Fragmentation and Rearrangement Process in Ion-Atom Collisions	DOE - US Dept. of Energy	\$125,000
McKay, Larry	Subcontract to Penn State University for Their Proposal to NSF	Pennsylvania State University	\$5,000
Nichols, Jeffrey	Fabrication and Testing of Novel Sources of Entangled Photons	DOE - UT-Battelle - ORNL	\$32,035
Nichols, Jeffrey	Biological Function Prediction	DOE - UT-Battelle - ORNL	\$17,939
Sayler, Gary	Biogeochemical and Molecular Mechanisms Controlling Contaminant Transformation	DOE - UT-Battelle - ORNL	\$80,000
Vakili, Ahmad D.	Design of experiments Simulator Tool for AEDC Wind Tunnel 4T	Air Force - Office of Naval Research	\$11,000
CORRECTION FROM PREVIOUS ISSUE			
Moore Partin, Tara	Connections for Education Outreach	Tennessee Dept. of Education	\$113,568

## RECOGNITIONS

**Kristina Coop Gordon**, associate professor of psychology and associate director of the clinical training program, has been recognized as one of two consulting editors of the year for 2010 by the *Journal of Family Psychology*, a publication of the American Psychological Association. Gordon studies how couples react to and resolve major interpersonal traumas in their relationships.

**Andrea Meltzer**, a graduate student in experimental psychology, received a first prize in the student category for her poster presentation, “‘Tell me I’m Sexy...But Stay Forever’: Interactive Effects of Objectification and Commitment in Relationships.” Meltzer was among 248 posters in her category at the yearly meeting of the Society for Personality and Social Psychology in San Antonio. **James McNulty**, associate professor of psychology, was coauthor of her paper.

Meltzer and McNulty also received attention from the *Wall Street Journal* recently in a story about their research on the relative weights of husbands and wives soon to appear in *Social Psychology and Personality Science*.